

In the Claims:

Please amend claims 1 and 5-7 to read as follows:

1. (Amended) A lithium secondary battery comprising:

an electrode unit produced by winding or laminating a positive electrode and a negative electrode via a separator, and

a non-aqueous electrolytic solution containing a lithium compound as an electrolyte, wherein a cumulative concentration of water (H_2O) released from both of said positive electrode and said negative electrode in relation to the weight of said electrode unit, exclusive of current collectors, is suppressed to 5,000 ppm or lower in case of heating both electrodes at 25 to 200°C and to 1,500 ppm or lower in case of heating said electrodes at 200 to 300°C.

5. (Amended) The lithium secondary battery according to Claim 1, wherein a graphitized carbon fiber is used as the negative electrode active substance.

6. (Amended) The lithium secondary battery according to Claim 2, wherein a graphitized carbon fiber is used as the negative electrode active substance.

7. (Amended) The lithium secondary battery according to Claim 3, wherein a graphitized carbon fiber is used as the negative electrode active substance.